NPL CANDIDATE

Update	#
	#
Receive	4.
WEFEIAC	Δ1:

Facility name: Great Lakes Carbon Corp.

Location: 5700 Niagara Falls Blvd., Niagara Falls, New York

EPA Region: II

Persons(s) in charge of the facility: Mr. Michael Reele

Name of Reviewer: Joseph J. Mayo

Date: 10/23/85

General description of the facility: (For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; type of information needed for rating; agency action, etc.)

Great Lakes Carbon Corp. is a 35 acre graphite manufacturing facility located in Niagara Falls, New York. From 1939 to 1966 Great Lakes Carbon used a 7 acre landfill to dispose of plant wastes which included: carbon particles, grapahite, coal dust, sand, block graphite and construction rubble. Major concern is for contamination of the underlying aquifer and small stream which drains the property and discharges to the Niagara River.

Score:
$$S_M = 41.08 (S_{gw} = 4.90 S_{sw} = 70.90 S_{a = 0})$$

SFE = 11.25

 $S_{DC} = 0$

HRS COVER SHEET



			Ground Water Route Work Sho	eet			
	Rating Factor		Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Release		0 45	1	0	45	3.1
		-	score of 45, proceed to line score of 0, proceed to line				
2	Route Characteristi Depth to Aquifer		0 1 2 3	2		6	3.2
	Concern Net Precipitation Permeability of th	•	0 1 Ø 3 0 1 Ø 3	1		3 3	
	Unsaturated Zon Physical State	10	0 1 🕝 3	1		3	
		To	tal Route Characteristics Score	• .	12	15	
3	Containment		0 1 2 ①	1	3	3	3.3
<u> </u>	Waste Characteristi Toxicity/Persiste Hazardous Waste Quantity	nce	0 3 6 9 12 15 (B) 0 1 2 3 4 5 6 7	⊕ ¹		18	3.4
		To	tal Waste Characteristics Scor	·•	26	26	
9	Targets Ground Water Us Distance to Near Well/Population Served	est	0 1 2 3 6 4 6 8 10 12 16 18 20 24 30 32 35 40	3		9	3.5
,			Total Targets Score		3	40	
(3)			x 4 x 5 x 3 x 4 x 5		3808	57.330	
7	Divide line 6 by	57.330 and	multiply by 100	Sgw	4.9		

FIGURE 2 GROUND WATER ROUTE WORK SHEET

۱ پ

		Surface V	Vater Route Work	Sheet			
	Rating Factor	Assi (Ci	gned Value ircle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Release	0	4	1	45	45	4.1
	If observed release is given in the control of the	ven a value of (46, proceed to line 0, proceed to line	₫. ②			
2	Route Characteristics Facility Slope and Inter	vening 0 1	2 3	1	c	3	4.2
	Terrain 1-yr. 24-hr. Reinfall Distance to Nearest Su	0 1 urface 0 1	2 3	. 1	-	3	
	Water Physical State	0 1	1. 2 3	1		3	
		Total Route	Characteristics S	ence		15	
3	Containment	0 1	1 2 3	1		3	4.3
1	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	Ţ	3 6 9 12 15 (6 1 2 3 4 5 6	7 1	18	18	4.4
		Total Wast	e Characteristics !	icore	20	, 26	
5	Targets Surface Water Use Distance to a Sensitiv	. 0	1 2 0	3 2	1. C	9	4.5
	Environment Population Served/Dis to Water Intake Downstream	stance) 0 12 24	4 6 8 10 16 18 20 32 35 40	. 1		40	•
		Tot	al Targets Score		39	55]
[8	If line 1 is 45, multip	ply 1 x 4 ly 2 x 3	x 5 x 4 x 5		456	64.35	0
7	Divide line 6 by 64,	360 and multip	lu hu 100	Saw	- 70	5.90	

FIGURE 7 SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet									
	Rating Factor		Assigne (Circle	d Value e One)		Multi- plier	Score	Mex. Score	Ref. (Section)
0	Observed Release		0	45		1	0	45	5.1
	Date and Location:								
	Sampling Protocol:		<u> </u>						
	If line 1 is 0, the	S _B = 0. E en proces	inter on line d to line 2	3 .			· -		
2	Waste Characteristic Reactivity and	: 8	0 1 2	. 3		1		3	5.2
	Incompatibility Toxicity Hazardous Waste Quantity		0 1 2	2 3 4 5	6 7 8	3		9 · 8	
		To	tal Waste C	haracteristic	s Score		<u> </u>	20	
3	Population Within 4-Mile Radius		} 0 9 1 21 24 2 0 1			1 2		30 6	5.3
	Distance to Sensiti Environment Land Use	:ive	0 1			1		3	
			Total 1	argets Sco	mo			39	
4	Multiply 1 x 2	× 3						35,100	
[3	Divide line 4 by	/ 35,100 an	d multiply t	y 100		S.	-0		

FIGURE 9
AIR ROUTE WORK SHEET

	s	3 ²
Groundwater Route Score (Sgw)	4,90	24.01
Surface Water Route Score (Saw)	70,90	5026.81
Air Route Score (Sa)	0	O
$s_{gw}^2 + s_{sw}^2 + s_{a}^2$		5050.82
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		71.07
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		41.08

FIGURE 10 WORKSHEET FOR COMPUTING S_M

	Fire and Explosion Work Shee	M				
Reting Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Containment	Ø 3	1	-	3	7.1	
Weste Characteristics Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity	(a) 3 0 (c) 2 3 (b) 1 2 3 (c) 1 2 3 4 5 6 7	1 1 1		3 3 3 3	7.2	
	Total Waste Characteristics Score	•	9	20		1
Targets Distance to Nearest	0 1 2 3 4 5	1	···	5	7.3	
Population Distance to Nearest	0 1 ② 3	1		3		
Building Distance to Sensitive	6) 1 2 3	1		3	•	
Environment Land Use	0 1 2 1	1		3 5		
Population Within 2-Mile Radius Buildings Within 2-Mile Radius	0 1 2 3 4 3	1		5		
	Total Targets Score		10	24	٦	
			18	+		
Multiply 1 x 2 x	3		- 11	1,44		
Divide line 4 by 1.44	0 and multiply by 100	SFE	- 11	25		

FIGURE 11 FIRE AND EXPLOSION WORK SHEET

		Direct Contact Work Sheet				
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
0	Observed incident	6 4	1	0	45	8.1
	If line 1 is 45, proceed to the 1 is 0, proceed to					
2	Accessibility	© 1 2 3	1	0	3	8.2
3	Containment	• 🔞	1	15	15	8.3
1	Waste Characteristics Toxicity	0 1 2 3	5	3	15	8.4
(3)	Targeta Population Within a 1-Mile Radius	0 1 2 3 6 5	4		20	8.5
	Distance to a Critical Habitat	(a) 1 2 3	4		12	
8	If line 1 is 45, multiply If line 1 is 0, multiply			16	32	
7	Divide line 6 by 21,600		S _{DC}	. 0		

FIGURE 12 DIRECT CONTACT WORK SHEET

FIT QUALITY ASSURANCE TEAM

DOCUMENTATION RECORDS

FOR

HAZARD RANKING SYSTEM

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME:	Great Lakes Carbon Corporation	
LOCATION:	5700 Niagara Falls Blvd., Niagara Falls, New York	
DATE SCORED:	10/23/85	
PERSON SCORING:	Joseph Mayo	

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):

FIT Region II Files
FIT Region II Library

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

COMMENTS OR QUALIFICATIONS:

Air monitoring to detect the presence of specific air contaminants was not conducted at the site. Therefore, the air route of the MITRE model was scored a value of zero.

GROUNDWATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Concentrations of PAHs were detected in soil samples on and around the landfill.

Since no groundwater samples were collected at the site, observed release is scored zero.

Ref: #13

Rationale for attributing the contaminants to the facility:

Concentrations of PAHs (polycyclic aromatic hydrocarbons) as high as 180,000 ug/kg were detected in soil samples on and around the landfill.

Ref: #13

* * 1

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Site is located on the Lockport Dolomite Aquifer which consists of 5 lithographic types.

- 1) Brown-gray, coarse to medium grain dolomite
- 2) Gray-dark gray fine grained dolomite
- 3) Tannish-gray fine grained dolomite
- 4) Light-gray, coarse-grained limestone with crinoid fragments.
- 5) Light gray shaly dolomite

Ref: #4

Depth(s) from the ground surface to the highest seasonal level of the saturated zone water table(s) of the aquifer of concern:

Wells at Reichold/Varcum, Niagara Falls, New York, indicated depth to groundwater at 3-8 feet.

Ref: #3, #8

Depth from the ground surface to the lowest point of waste disposal/storage:

Waste is deposited directly onto ground surface. FIT II augered to a depth of 8 inches to obtain soil samples. Soil samples at 8 inches showed contamination with PAHs.

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

32 inches

Ref: #6

Mean annual lake or seasonal evaporation (list months for seasonal):

26 inches

Ref: #6

Net precipitation (subtract the above figures):

6 inches

Ref: #6

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Soil type in the unsaturated zone is canandaigua series. The canadaigua series consists of deep, poorly drained medium to moderately fine textured soils.

Ref: #3

Permeability associated with soil type:

Permeability is 10^{-4} - 10^{-3} cm/sec

Ref: #3

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Landfilled wastes are composed of carbon particles, graphite, coal dust, sand, carbon fines, block graphite and construction rubble.

Ref: #1, #9

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

The landfill is not lined or capped and there are no leachate or runoff collection systems.

Ref: #1

Method with highest score:

No liner. Score 3

Ref: #6

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

✓ Groundwater was not sampled however, soil samples on and around the landfill indicated the presence of the PAHs fluoranthene, pyrene, benzo(a)anthracene, chrysene and benzo(b)fluoranthene.

Compound with highest score:

All above compounds score 18 on toxicity-persistence matrix.

Ref: #6

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

The total volume of waste deposited in the landfill is estimated to be 52.59 acre-ft.

Basis of estimating and/or computing waste quantity:

Area of landfill = 7.47 acres

Average depth of landfill = 7 feet

Volume of waste = 7.47 acres x 7 feet = 52.29 acre-ft.

Area of landfill calculated from map provided by Great Lakes Carbon.

Depth of landill estimated from site inspection and preliminary assessment.

Ref: #1, #7, #10

5 TARGETS

Groundwater Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Groundwater is used for industrial purposes.

Ref: #4

Distance to Nearest Well

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

There is a deep well, estimated to be 125 feet deep, on the Olin Corporation property on Buffalo Avenue 1.7 miles from the site. The well water is used for industrial purposes.

Ref: #4, #12

Distance to above well or building:

1.7 miles

Ref: #2, #4

Population Served by Groundwater Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from <u>aquifer(s) of concern</u> within a 3-mile radius and populations served by each:

Groundwater is not used for potable water supplies. Population is served by surface water. The Olin Corporation, located 1.7 mi. from the site, utilizes a 125 ft. well for industrial purposes.

Ref: #12

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre).

None within a 3-mile radius.

Ref: #12, #2

Total population served by groundwater within a 3-mile radius:

None of the population within a 3-mile radius is served by groundwater.

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

Fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)flouranthene were detected in sediment samples in the on-site stream.

Rationale for attributing the contaminants to the facility:

The compounds listed above were detected in the downsteam sediment sample. None of the above compounds wee detected in the upstream sediment sample at concentrations above the laboratory detection limits.

Ref: #13

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0-2%

Ref: #1, #2

Name/description of nearest downslope surface water:

A small unnamed stream is located on the Great Lakes Carbon Corporation property. The stream discharges to the Niagara River at 61st Street. Ref: #1

Average slope of terrain between facility and above-cited surface water body in percent:

0-3%

Ref: #2, #3

Is the facility located either totally or partially in surface water?

The facility is not located in surface water.

Is the facility completely surrounded by areas of higher elevation?

The area around the facility is relatively flat and slopes gently (0-2%) toward the south. The CECOS Landfill lies directly north of the facility and is elevated 60 feet with respect to the site.

Ref: #1, #2

1-Year 24-Hour Rainfall in Inches

2.5 inches

Ref: #6

Distance to Nearest Downslope Surface Water

0 miles. There is a small onsite sream which discharges to the Niagara River.

Ref: #1, #9

Physical State of Waste

The landfilled wastes are composed of carbon particles, graphite, coal dust, sand, carbon fines, block graphite and construction rubble.

Ref: #1, #9

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

No liner 3.

Ref: #1

Method with highest score:

No liner 3.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Fluoranthene

Benzo(a)anthracene

Pyrene

Chrysene

Benzo(b) fluoranthene

Compound with highest score:

All compounds above score 18 on toxicity-persistence matrix.

Ref: #6

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

The total volume of waste deposited in the landfill is estimated to be 52.59 acre-ft.

Basis of estimating and/or computing waste quantity:

Area of landfill = 7.47 acres

Average depth of landfill = 7 feet

Volume of waste = 7.47 acres x 7 feet = 52.29 acre-ft.

Area of landfill calculated from map provided by Great Lakes Carbon.

Depth of landill estimated from site inspection and preliminary assessment.

Ref: #1, #7, #10

#

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance: The Niagara River is used as a source of potable water for the city of Niagara Falls. The water supply intake is located 1.2 miles downstream of the point of discharge of the on-site stream to the Niagara River.

Ref: #2, #11

Is there tidal influence?

No

Ref: #2

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 1 mile.

Ref: #2

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None within 1 mile.

Ref: #2

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None. The site is located in a highly industrial and commercial section of Niagara Falls.

Ref: #2, #12

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

The on-site stream discharges to the Niagara River at 61st Street which is located upstream of the 53rd Street water supply intake. The intake is used to supply potable water to 71,553 residents.

Ref: #5, #11

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

None

Total population served:

71,553

Ref: #5, #11

Name/description of nearest of above water bodies:

Water is drawn from the Niagara River at a point adjacent to 53rd Street, Niagara Falls, New York.

Ref: #11

Distance to above-cited intakes, measured in stream miles.

Distance from the on-site stream to the above intakes is 1.7 stream miles.

Ref: #3, #11

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

None. No analytical data were collected to document an air release.

Date and location of detection of contaminants

Not Applicable

Methods used to detect the contaminants:

Not Applicable

Rationale for attributing the contaminants to the site:

Not Applicable

* * *

2 **WASTE CHARACTERISTICS**

Reactivity and Incompatibility

Most reactive compound:

Not Applicable

Most incompatible pair of compounds:

Not Applicable

Toxicity

Most toxic compound:

Not Applicable

Hazardous Waste Quantity

Total quantity of hazardous waste:

The total volume of waste deposited in the landfill is estimated to be 52.29 acre-ft.

Basis of estimating and/or computing waste quantity:

Area of landfill = 7.47 acres

Average depth of landfill = 7 feet

Volume of waste = 7.47 acres x 7 feet = 52.29 acre-ft.

Area of landfill calculated from map provided by Great Lakes Carbon.

Depth of landill estimated from site inspection and preliminary assessment.

Ref: #1, #7, #10

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

90,200

34,261

467

0

Population information was gathered using the Graphical Exposure Modelling System (GEMS).

Ref: #5

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 2 miles.

Ref: #2

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None within 1 mile.

Distance to critical habitat of an endangered species, if I mile or less:

None within 1 mile. The site is located in a highly industrial and densely populated area.

Ref: #1, #2

Land Use

Distance to commercial/industrial area, if I mile or less:

0 miles. Site is located in a highly industrialized area of Niagara Falls.

Ref: #1, #2

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

None within 2 miles.

Ref: #2

Distance to residential area, if 2 miles or less:

A residential area is located 1/4 mile from the site.

Ref: #1, #2

Distance to agricultural land in production within past 5 years, if 1 mile or less:

No agricultural land located within 1 mile of the site.

Ref: #2

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

No prime agricultural land within 2 miles of the site.

Ref: #2

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

No

Ref: #1, #2

FIRE AND EXPLOSION

1 CONTAINMENT

Hazardous substances present:

Flouranthene, pyrene, benzo(a)anthracne, chrysene, benzo(a)flouranthene were detected in soil samples on and around the landfill.

Type of containment, if applicable:

NFPA rating = 0

Ref: #6

2 WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Not performed.

Ignitability

Compound used:

All compounds have equal ignitability.

NFPA level = 0

Ref: #6

Reactivity

Most reactive compound:

NFPA reactivity rating = 0. Score 0

Ref: #6

Incompatibility

Most incompatible pair of compounds:

No incompatible materials present - Score = 0.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

Total volume of waste deposited in the landfill is estimated to be 52.29 acre-ft.

Basis of estimating and/or computing waste quantity:

Area of landfill = 7.47 acres

Average depth of landfill = 7 feet

Volume of waste = 7.47 acres x 7 feet = 52.29 acre-ft.

Area of landfill calculated from map provided by Great Lakes Carbon.

Depth of landill estimated from site inspection and preliminary assessment.

Ref: #1, #7, #10

* * *

3 TARGETS

Distance to Nearest Population

100 feet to on-site working area.

Ref: #1, #10

Distance to Nearest Building

100 feet to on-site working area.

Ref: #1, #10

Distance to Sensitive Environment

Distance to wetlands:

None within 3 miles.

Ref: #2

Distance to critical habitat:

None within 3 miles.

Ref: #2

Land Use

Distance to commercial/industrial area, if 1 mile or less:

0 miles. Site is located in a commercial/industrial area.

Ref: #1, #2

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

None within 2 miles.

Ref: #1, #2

Distance to residential area, if 2 miles or less:

0.25 miles

Ref: #2, #5

Distance to agricultural land in production within past 5 years, if 1 mile or less:

None within 1 mile.

Ref: #2

Distance to prime agricultural land in production within past 5 years, if 2 miles or

less:

None within 2 miles.

Ref: #2

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

No

Ref: #1, #2

Population Within 2-Mile Radius

34,265

Ref: #5

Buildings Within 2-Mile Radius

13,485

DIRECT CONTACT

1 **OBSERVED INCIDENT**

Date, location, and pertinent details of incident:

No known incidents.

2 **ACCESSIBILITY**

Describe type of barrier(s):

The entire site is fenced and access is controlled by a security guard.

Ref: #1

3 CONTAINMENT

Type of containment, if applicable:

Unlined landfill with no cover.

Ref: #1

WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Fluoranthene, pyrene, benzo(a)anthracne, chrysene, benzo(a)flouranthene were detected in soil samples on and around the landfill.

Ref: #12

Compound with highest score:

All compounds above score 18 on toxicity-persistence matrix.

5 TARGETS

Population Within One-Mile Radius

3,042

Ref: #5

Distance to Critical Habitat (of Endangered Species)

No known critical habitats.

BIBLIOGRAPHY OF INFORMATION SOURCES HRS MODEL

SOURCE LOCATION Site Inspection of Great Lakes Carbon conducted on 6/14/85 NUS Corp. by NUS Corporation, Region II FIT, Joseph Mayo, Project Manager. Region II Office 2. USGS Topographical Maps - Lewiston, Larsonville, Tonawanda NUS Corp. West, and Niagara Falls Quadrangle. Region II Office 3. Soil Survey of Niagara County, New York, U.S. Department of NUS Corp. Agriculture, October 1972. Region II Office Johnston, R.H., "Groundwater in the Niagara Falls Area, New NUS Corp. York, with Emphasis on the Water Bearing Characteristics of Region II Office the Bedrock", New York Dept. of Conservation Bulletin, GW-53, 1964. GEMS - Graphical Exposure Modeling System, U.S. EPA, Office of NUS Corp. Pesticides and Toxic Substances Exposure Evaluation Division, Region II Office Task - 4, June 1984. Uncontrolled Hazardous Waste Site Ranking System User's Manual, NUS Corp. 6. Mitre Corporation. Region II Office Preliminary Assessment provided by EPA, Attachment 1. NUS Corp. Region II Office 8. Site Inspection of Reichold/Varcum conducted on 6/15/85 by NUS Corp. NUS Corp. Region II FIT, Gary Rojek, Project Manager. Region II Office 9. Profile report, Niagara County Dept. of Health, November-NUS Corp. December 1983. Region II Office 10. Plot plant blueprint of Great Lakes Carbon provided by NUS Corp. Michael Reele of Great Lakes Carbon Corp. 6/14/85. Region II Office 11. Telephone conversation with R. Travis of the city of NUS Corp. Niagara Water Department on 10/17/85. Region II Office 12. Telephone conversation between Jay Crystall of NUS Corp. and NUS Corp. Mike Hopkins of the Niagara Co. Health Dept. on 8/8/85. Region II Office 13. U.S. EPA Contract Laboratory Program organic and inorganic NUS Corp.

Region II Office

data analysis sheets for case #4550/1726B.

Groundwater

Suspected Release or No Suspected Release
-no containment or lining on LF area allowing for easy migration to gw
Sampling

- none

Primary Targets

- none

Secondary Targets

- no gw used for drinking w/in 3 miles

Suspected Release or No Suspected Release - were they above how your ?

- 8 PAH's detected in sediment Samples

- Mg. Fe, fluoranthene, phenol doto. I. Noles

Sampling - 8 PAH'S detected in sediment samples

- My Fe, fluoranthene, phenol detected in sw samples

- Sun + souli

- sw + sediment samples

Drinking Water Threat

Primary Target Population

- none

why uptake is not a princy toget - Explin?

Secondary Target Population

80,000 people served by intake off Niagara R. 2 miles downstream

Human Food Chain

Primary Fisheries

make note

- Niagara R. - difficult perhaps to saule and indirate attribution

Secondary Fisheries

none

Environmental Threat

Primary Sensitive Environments

- none

Secondary Sensitive Environments

-none.

Soil Exposure

(Suspected Release) or No Suspected Release
- LF has no containment or run-off, leachate containment system

Doe's do show any hide of condominante?

Sampling

- 4 soil samples taken

Resident Population Threat

Resident Population or Workers

- 200 workers at site

Terrestrial Sensitive Environments

- none

Suspected Release or No Suspected Release

- HNU + DVA detected no levels above ambient background levels

Sampling

- HNu +OVA monitoring

Primary Target Population

= none

Secondary Target Population

- pop. wlin 4 miles - workers at facility (200)

Primary Sensitive Environment

- none

Secondary Sensitive Environment